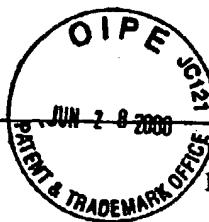


Form PTO-1449  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO:  
101328-148APPLICATION NO:  
09/512,942

## INFORMATION DISCLOSURE CITATION

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APPLICANT:

Theodore H. Fedynyshyn

FILING DATE:

February 25, 2000

GROUP ART UNIT:  
2852

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER |   |   |   |   |   |   | DATE  | NAME               | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE* |
|------------------|----|-----------------|---|---|---|---|---|---|-------|--------------------|-------|----------|-----------------------------|
|                  | AA | 3               | 8 | 0 | 1 | 3 | 2 | 7 | 04/74 | Moreau             | 96    | 115R     |                             |
|                  | AB | 4               | 2 | 0 | 2 | 6 | 9 | 7 | 05/80 | Van Goethem et al. | 430   | 306      |                             |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT NUMBER |   |   |   |   |   |   | DATE  | COUNTRY | CLASS | SUBCLASS | TRANSLATION |      |
|--|----|-----------------|---|---|---|---|---|---|-------|---------|-------|----------|-------------|------|
|  |    |                 |   |   |   |   |   |   |       |         |       |          | YES NO      |      |
|  | BA | 1               | 0 | 2 | 0 | 4 | 3 | 8 | 01/89 | Japan   |       |          |             | abst |
|  | BB | 0               | 3 | 2 | 4 | 2 | 7 | 9 | 03/91 | Japan   |       |          |             | X    |

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

|          |   |
|----------|---|
| CA ✓     | Bruschi, P. et al., "Gas Sensing with Conducting Polymer Thin Film Resistors Obtained From Commercial Photoresist Patterns," <i>Sens. Microsyst., Proc. Ital. Conf.</i> , Di Natale et al. (Editors), 69-73 (1996);                   |
| CB ✓     | Crivello, J. and Mao, Z., "Preparation and Cationic Photopolymerization of Organic-Inorganic Hybrid Matrixes," <i>Chem. Mater.</i> , vol. 9, 1562-69 (1997);  |
| CC ✓     | Dagani, R., "Putting the 'Nano' into Composites," <i>Chemical</i> , 25-37 (June 7, 1999);   |
| CD ✓     | Dumpich, G. et al., "Direct Writing of Metallic Nanostructures by Means of Metal Colloids," <i>Materials Science Forum</i> , vols. 287-8, 413-6 (1998);   |
| CE ✓     | Kaplan, L.H. and Zimmerman, S.M., "Enhanced E-Beam Sensitivity of Resist," <i>IBM Technical Disclosure Bulletin</i> , vol. 21, no. 7, p. 2823 ( December 1978);   |
| CF       | Mucha, et al., "Plasma Etching of Materials Used in Microelectronic Manufacturing," <i>Introduction to Microlithography</i> , L. Thompson et al., (editors), 449-64 (1994);   |
| CG ✓     | Pu, Jia-Ling et al., "Photobinding of Colloidal Particles by Means of Surface Modification," <i>Journal of Imaging Science</i> , vol.32, no. 3, 129-34 (May/June 1988);   |
| CH ✓     | Pu, Jia-Ling et al., "Photobinding of Colloidal Particles by Means of Surface Modification. II. Surface Azido Density and Dispersibility," <i>Journal of Imaging Science</i> , vol.32, no.6, 232-7 (November/December 1988);          |
| Examiner | Date Considered:  |
|          | *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant. |

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|---|--|--|---|--------------------------------|---|-------------------------------|---|---|------|---------|----------------|----------|-----------------------------|------|----|
| <b>INFORMATION DISCLOSURE CITATION</b><br><i>(Use several sheets if necessary)</i>  |  |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
| <b>U.S. PATENT DOCUMENTS</b>  |  |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
| EXAMINER INITIAL  |  | DOCUMENT NUMBER  |   |                                |   |                               |   |   | DATE | NAME    | CLASS          | SUBCLASS | FILING DATE IF APPROPRIATE* |      |    |
|   |  | AC   | 5 | 6                              | 4 | 8                             | 1 | 5 | 9    | 07/97   | Sato           | 428      | 327                         |      |    |
|   |  | AD   | 5 | 7                              | 5 | 3                             | 7 | 2 | 2    | 05/98   | Itokawa et al. | 522      | 83                          |      |    |
|   |  |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
|   |  |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
|   |  |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
|   |  |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
|   |  |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
| <b>FOREIGN PATENT DOCUMENTS</b>   |  |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
|   |  | DOCUMENT NUMBER  |   |                                |   |                               |   |   | DATE | COUNTRY | CLASS          | SUBCLASS | TRANSLATION                 |      |    |
|   |  | BC   | 3 | 2                              | 3 | 7                             | 1 | 1 | 3    | 10/91   | Japan          | 11       | 730                         | YES  | NO |
|   |  | BD   | 5 | 2                              | 1 | 6                             | 2 | 3 | 2    | 08/93   | Japan          | 11       | 730                         | abst | X  |
|   |  | BE   | 0 | 8                              | 3 | 6                             | 2 | 6 | 5    | 02/96   | Japan          | 11       | 730                         | abst | X  |
|   |  |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
| <b>OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)</b>   |  |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
| CI ✓  | Pu, J.-L. et al., "Photobinding of Colloidal Particles by Means of Surface Modification. III. Influences of Dispersibility and Photoactivity of Azido Groups on the Colloidal Surface," <i>Journal of Imaging Science</i> , vol. 33, no. 1, 33-35 (January/February 1989); |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
| CI ✓  | Vossmeyer, T. et al., "Light-Directed Assembly of Nanoparticles," <i>Angew. Chem. Int. Ed. Engl.</i> , vol. 36, no. 10, 1080-3 (1997);   |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
| CK ✓  | Zambounis, J.S. et al., "Latent Pigments Activated by Heat," <i>Nature</i> , vol. 388, 131-2 (July 10, 1997).  |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
| Examiner  |  | Date Considered:   |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant. |  |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |
| #873514v1 <imagine> -ids 1449.wpd   |  |  |   |                                |   |                               |   |   |      |         |                |          |                             |      |    |